

NOTES:
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3. WETLAND AND WATERBODY DELINEATION SURVEYS COMPLETED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
4. PHOTO LOCATIONS PROVIDED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
5. RIPARIAN ZONES AND WETLAND TRANSITION AREAS PROVIDED BY PAULUS, SOKOLOWSKI AND SARTOR (PS&S).
6. CIVIL SURVEY CONDUCTED AND DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS		NO.		REVISIONS		DATE		DRAWN		CK		APPR	
DWG. NO.	TITLE												
000-03-07-014	* HDD EXHIBIT PLAN AND PROFILE		0	ISSUED FOR NJDEP PERMIT		7/2019		RJP		KEK		MJD	
000-03-03-061	* ACCESS ROAD DETAIL												
PE-SSC-M-82-02	SUPPLEMENTAL STREAM CROSSING DETAIL												
PE-SSC-M-82-03	SUPPLEMENTAL STREAM CROSSING DETAIL												

APPROVALS		DATE		DATE		DATE		DATE		DATE	
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RJP		7/2019									
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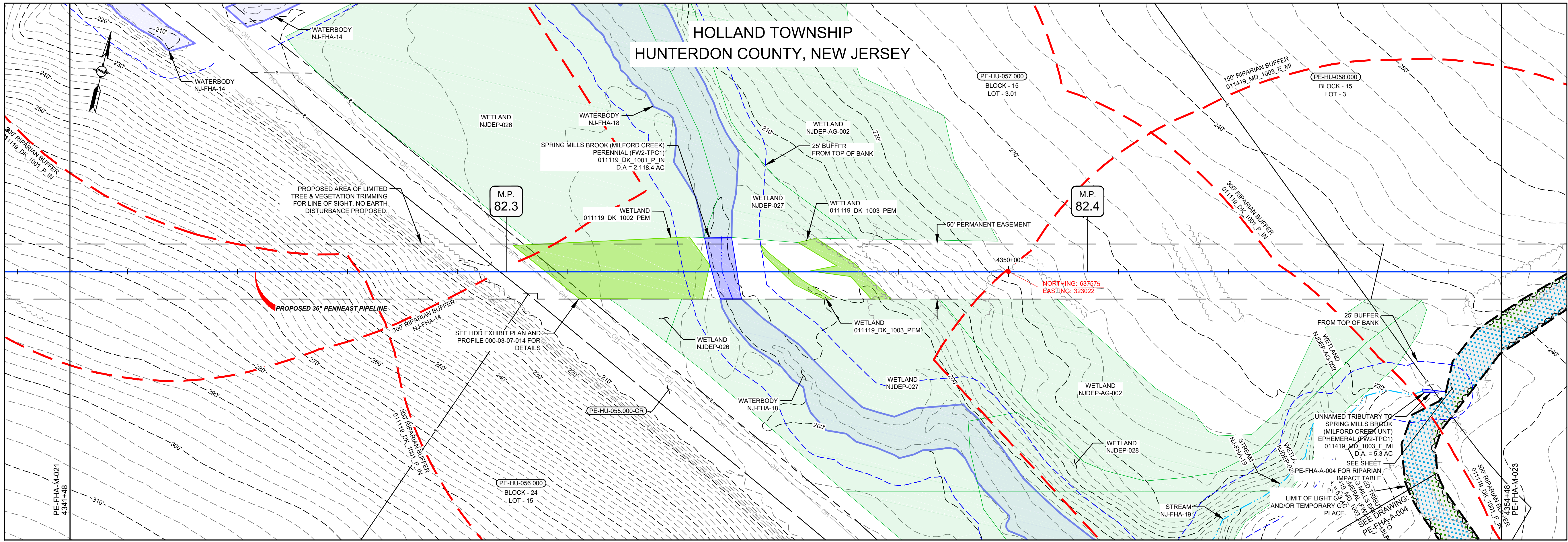
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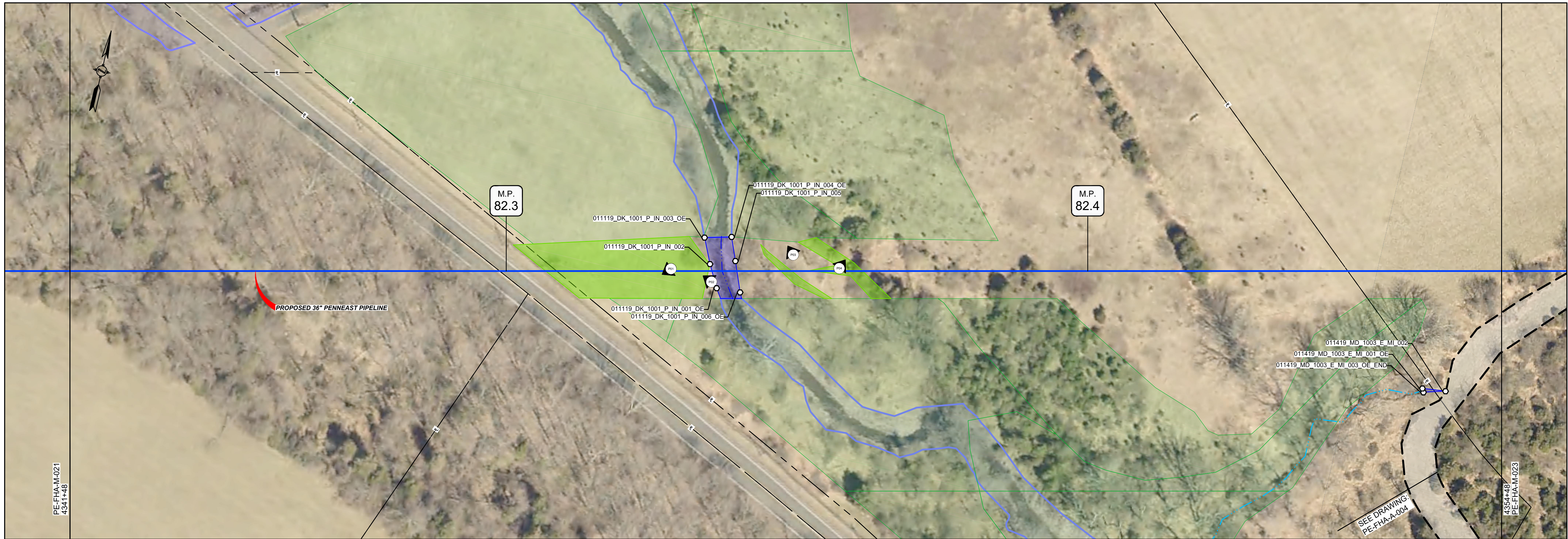
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- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CPP CORROGATED PLASTIC PIPE
 - CMP CORROGATED METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)



I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DISTURBANCES SHOWN ARE ACCURATE AND CORRESPOND WITH THE TAILORED ENGINEERING DRAWINGS.

MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
SIGNATURE DATE

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DWG. NO.	TITLE	NO.		REVISIONS	DATE	DRAWN	CK	APPR	DRAWN BY	DATE	
000-03-07-014	* HDD EXHIBIT PLAN AND PROFILE	0		ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	RJP	7/2019	
000-03-03-062	* ACCESS ROAD DETAIL								KEK	7/2019	
									ENG. APPROVAL	DATE	
									MJD	7/2019	
									P.M. APPROVAL	DATE	
									MW	7/2019	

NO.		REVISIONS				APPROVALS			
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							KEK	7/2019	
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DRAWN BY	DATE		
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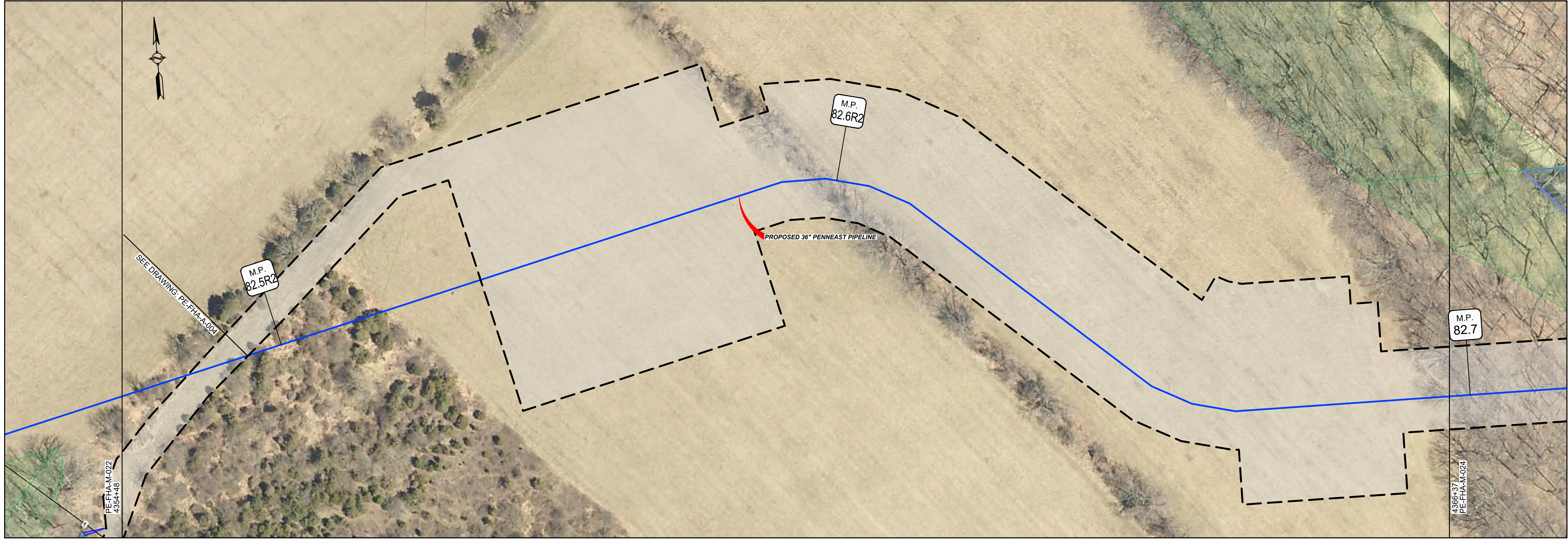
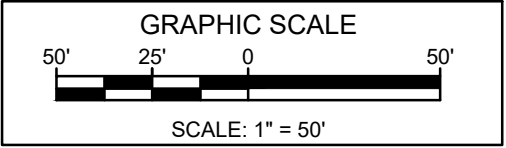
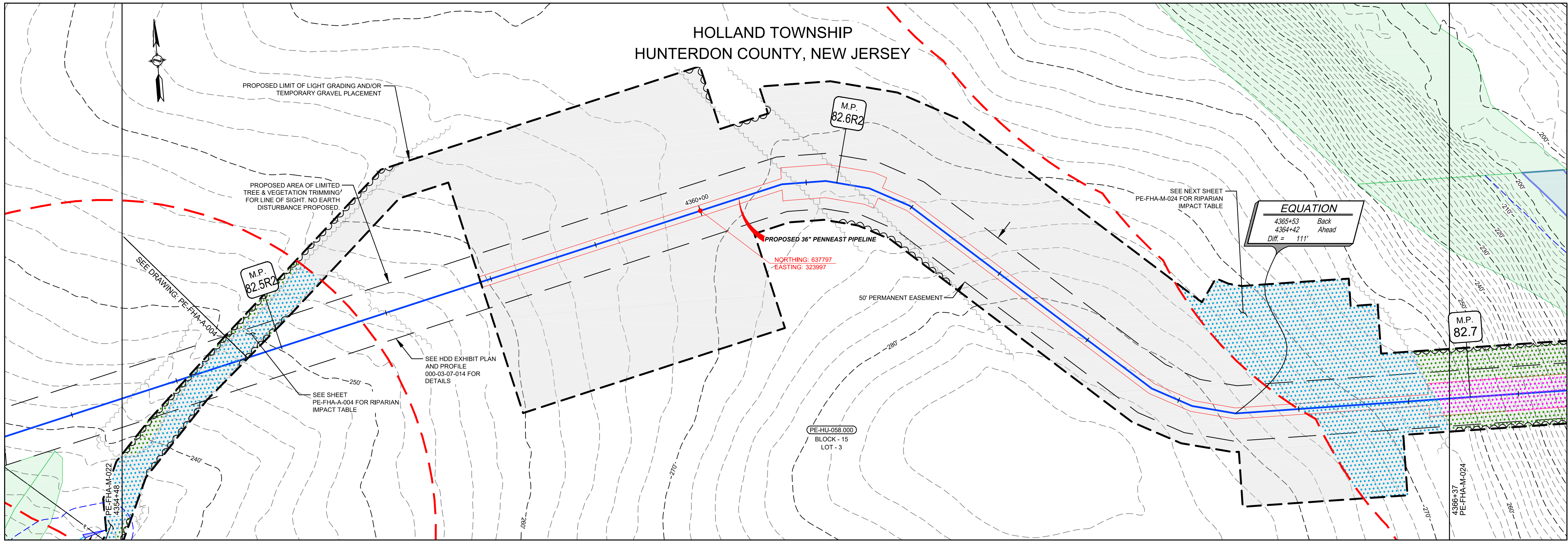
PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT

PENNEAST PIPELINE
FLOOD HAZARD AREA PERMIT PLAN
MP 82.2 - MP 82.5R2

SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-022	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
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 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CPP CORRUGATED PLASTIC PIPE
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 - HDPE HIGH DENSITY POLYETHYLENE PIPE
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 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - OH EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
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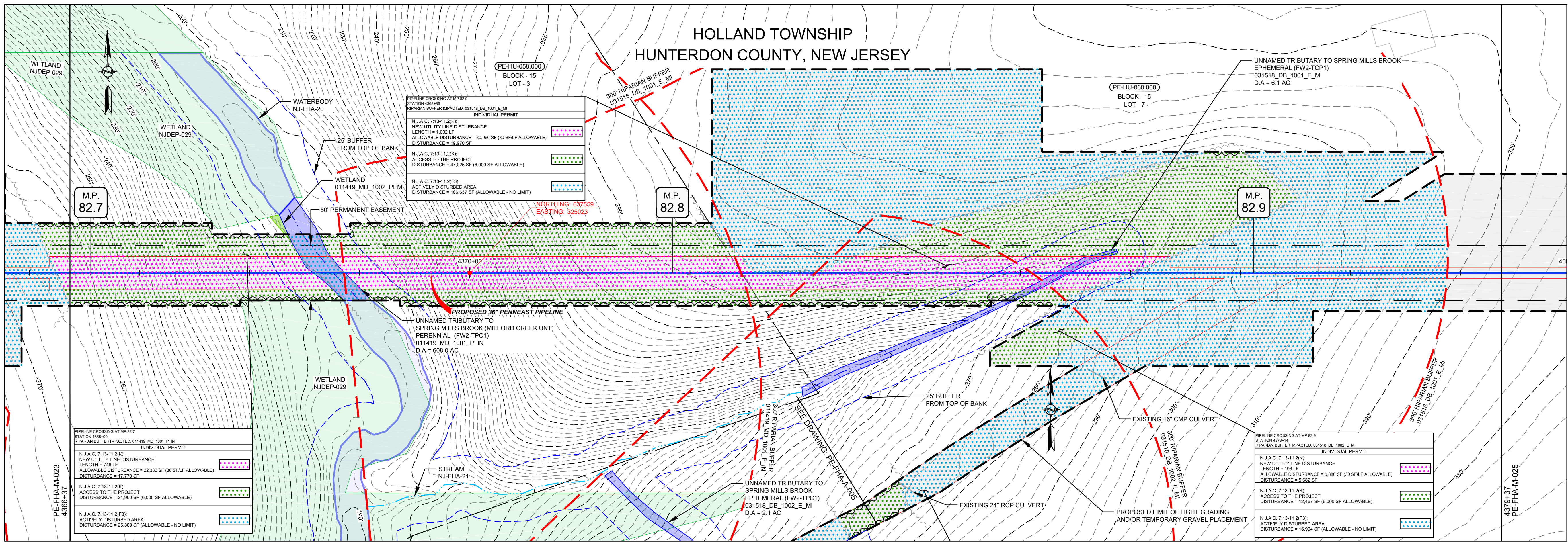
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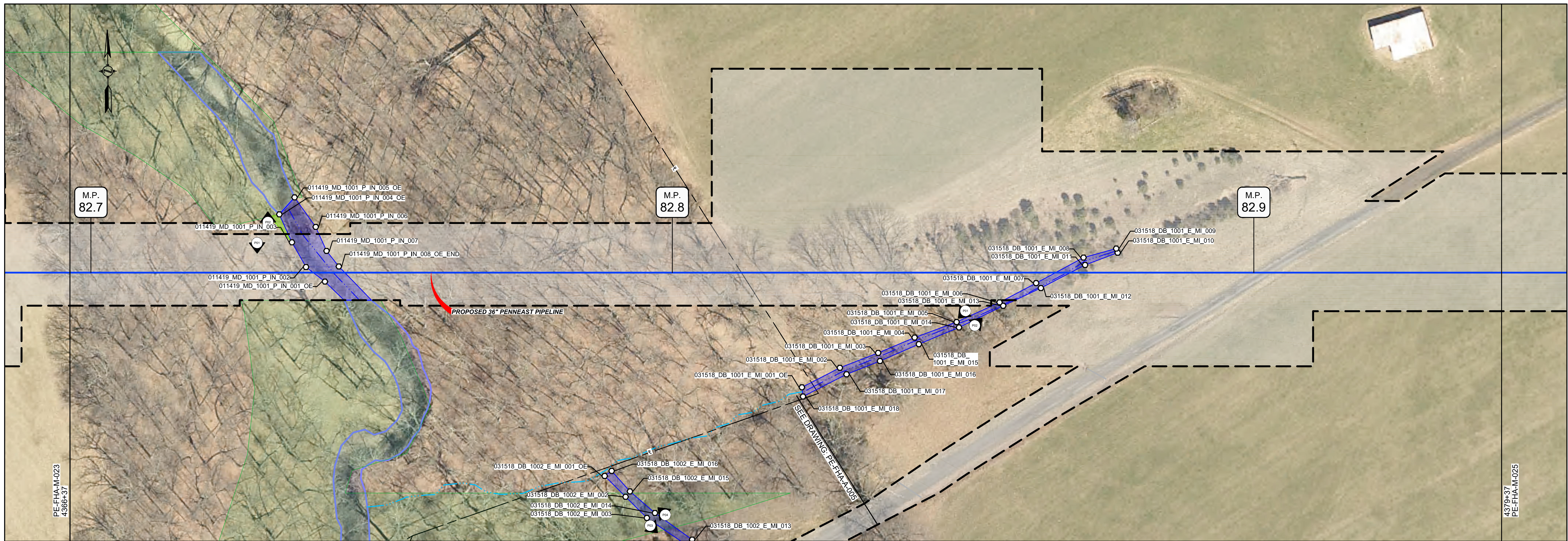
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000-03-07-014	* HDD EXHIBIT PLAN AND PROFILE	0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD		RJP	7/2019
000-03-03-062	* ACCESS ROAD DETAIL								CHECKED BY	DATE
									KEK	7/2019
									ENG. APPROVAL	DATE
									MJD	7/2019
									P.M. APPROVAL	DATE
									MW	7/2019

PREPARED FOR		PREPARED BY	
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830		CERTIFICATE NO. 24GA28016600	

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 82.5R2 - MP 82.7		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-023	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
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 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CORRUGATED METAL PIPE
 - CORRUGATED METAL PIPE
 - HDPPE
 - PVC
 - RCP
 - UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)



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THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24G503676100

Thomas D. Strong 08/01/2019
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MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

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PE-SSC-M-82.74	SUPPLEMENTAL STREAM CROSSING DETAIL		
PE-SSC-M-82.87	SUPPLEMENTAL STREAM CROSSING DETAIL		

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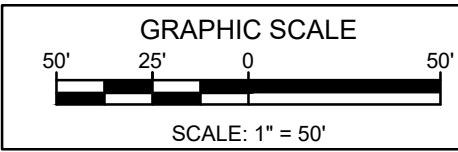
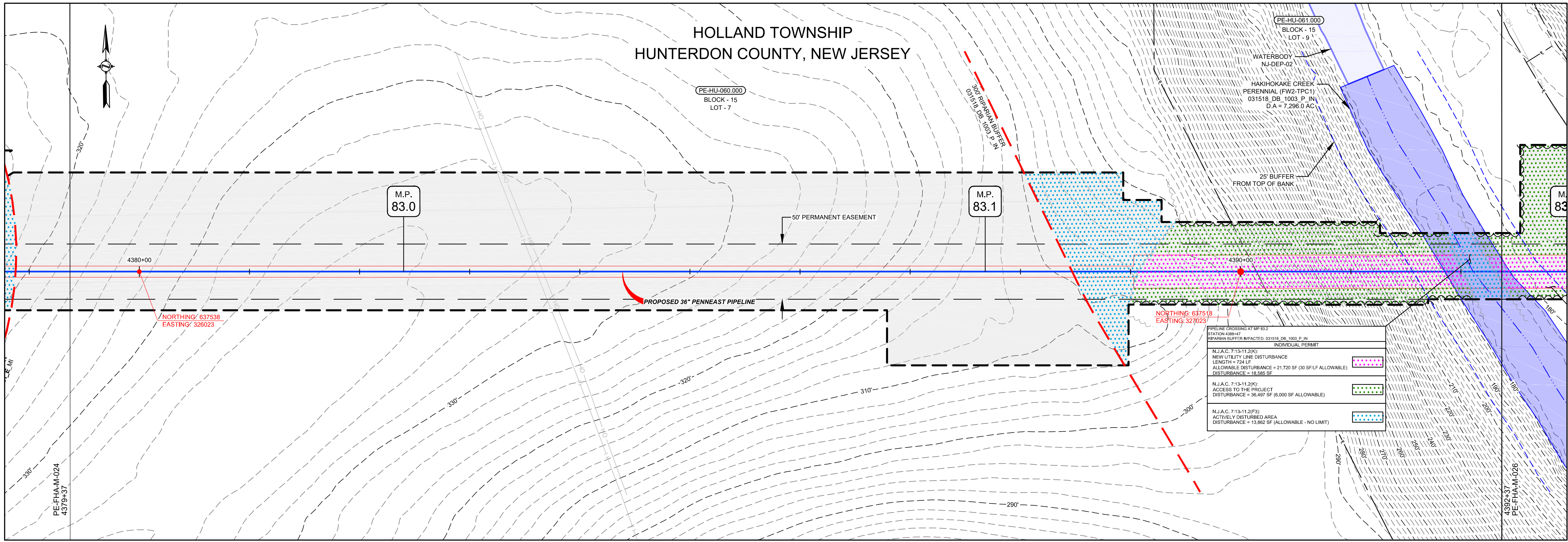
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ENG. APPROVAL	MJD	7/2019	
P.M. APPROVAL	MW	7/2019	

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 82.7 - MP 82.9		
SCALE 1" = 50'	DRAWING NO. PE-FHA-M-024	REVISION 0



LEGEND	
	PROPOSED PIPELINE
	LIMITS OF DISTURBANCE
	PROPOSED PERMANENT EASEMENT
	OPERATIONAL CORRIDOR
	PROPOSED TREE LINE
	EXISTING TREE LINE
	WETLAND (SURVEYED)
	WETLAND (PUBLIC)
	WATERBODY (SURVEYED)
	WATERBODY (PUBLIC)
	ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
	TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
	NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
	RIPARIAN BUFFER
	25' BUFFER FROM STREAM TOP OF BANK
	STREAM CENTERLINE (SURVEYED)
	STREAM CENTERLINE (PUBLIC)
	LIMITS OF WETLAND DELINEATION
	PROPERTY LINE
	PARCEL ID WITH BLOCK AND LOT NUMBER
	EXISTING CULVERT
	CORRUGATED PLASTIC PIPE
	CORRUGATED METAL PIPE
	HIGH DENSITY POLYETHYLENE PIPE
	POLYVINYL CHLORIDE PIPE
	REINFORCED CONCRETE PIPE
	UNKNOWN
	EXISTING FOREIGN UTILITY EASEMENT
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
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	EXISTING OVERHEAD LINE
	EXISTING TREE
	EXISTING FENCE
	STATE OPEN WATER FLAG
	PHOTO LOCATION (SEE REPORT)

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MICHAEL J. DENICHILO
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08/01/2019
SIGNATURE DATE

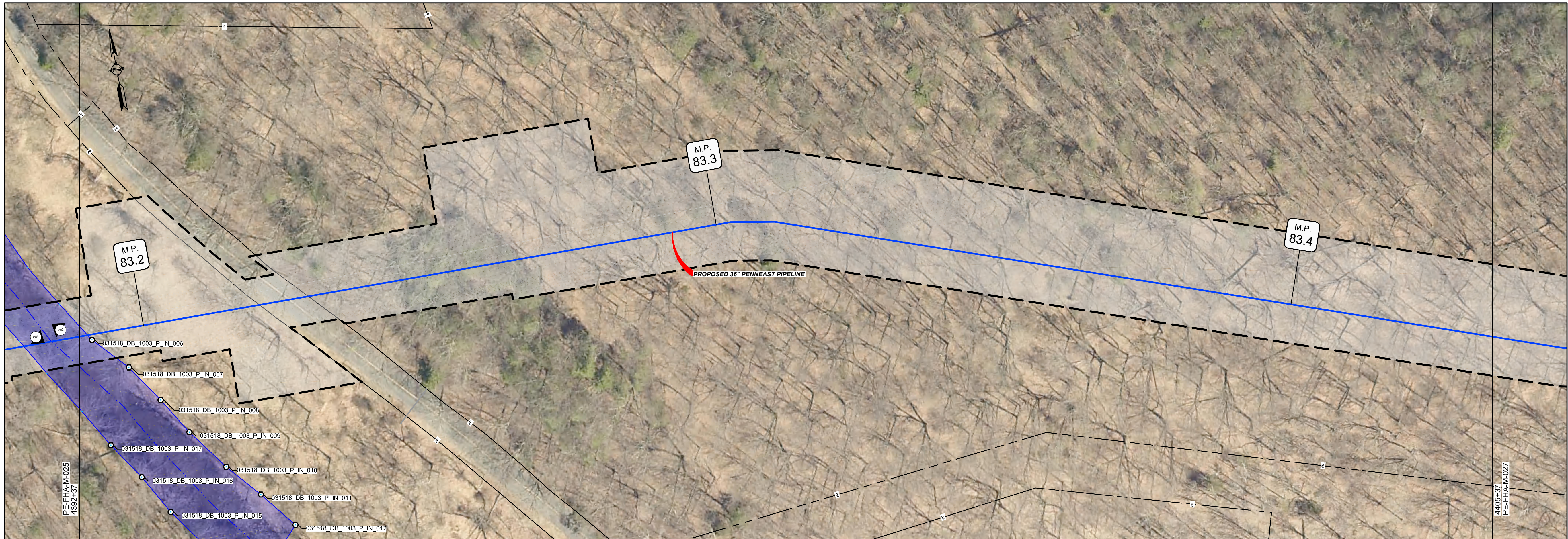
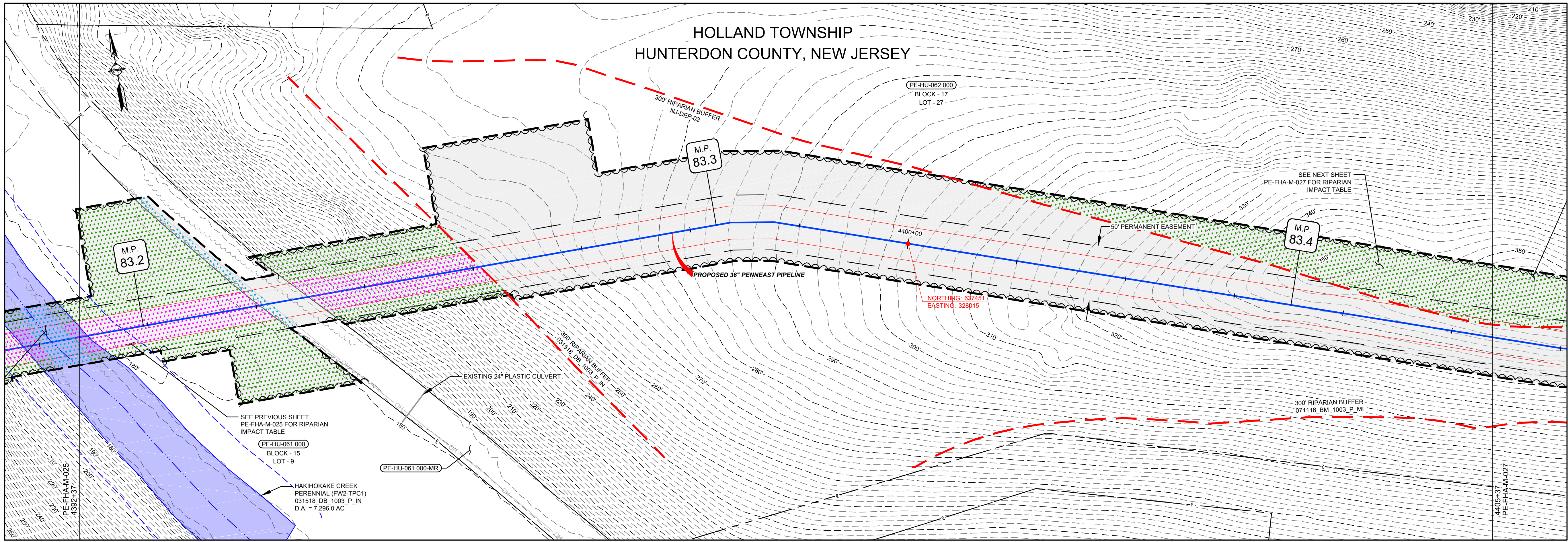
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REFERENCE DRAWINGS		REVISIONS							APPROVALS	
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR		DRAWN BY	DATE
PE-SSC-M-83.18	SUPPLEMENTAL STREAM CROSSING DETAIL	0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD		RJP	7/2019
									CHECKED BY	DATE
									KEK	7/2019
									ENG. APPROVAL	DATE
									MJD	7/2019
									P.M. APPROVAL	DATE
									MW	7/2019

PREPARED FOR

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 82.9 - MP 83.2		
SCALE 1" = 50'	DRAWING NO. PE-FHA-M-025	REVISION 0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CPP CORRUGATED PLASTIC PIPE
 - CMP CORRUGATED METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DISTURBANCES SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.

MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
SIGNATURE DATE

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DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

REVISIONS							APPROVALS	
NO.	REVISIONS	DATE	DRAWN	CK	APPR		DRAWN BY	DATE
0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD		RJP	7/2019
							CHECKED BY	DATE
							KEK	7/2019
							ENG. APPROVAL	DATE
							MJD	7/2019
							P.M. APPROVAL	DATE
							MW	7/2019

APPROVALS		CLIENT APPROVAL
DRAWN BY	DATE	
RJP	7/2019	
CHECKED BY	DATE	
KEK	7/2019	
ENG. APPROVAL	DATE	
MJD	7/2019	
P.M. APPROVAL	DATE	
MW	7/2019	

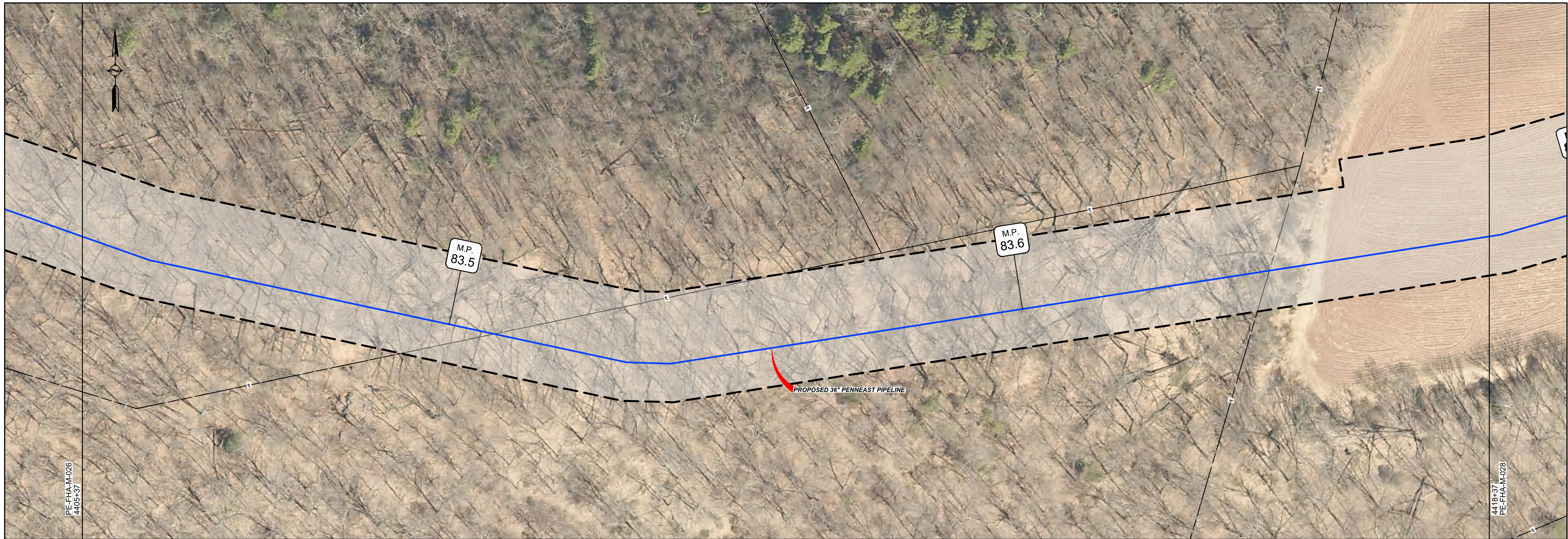
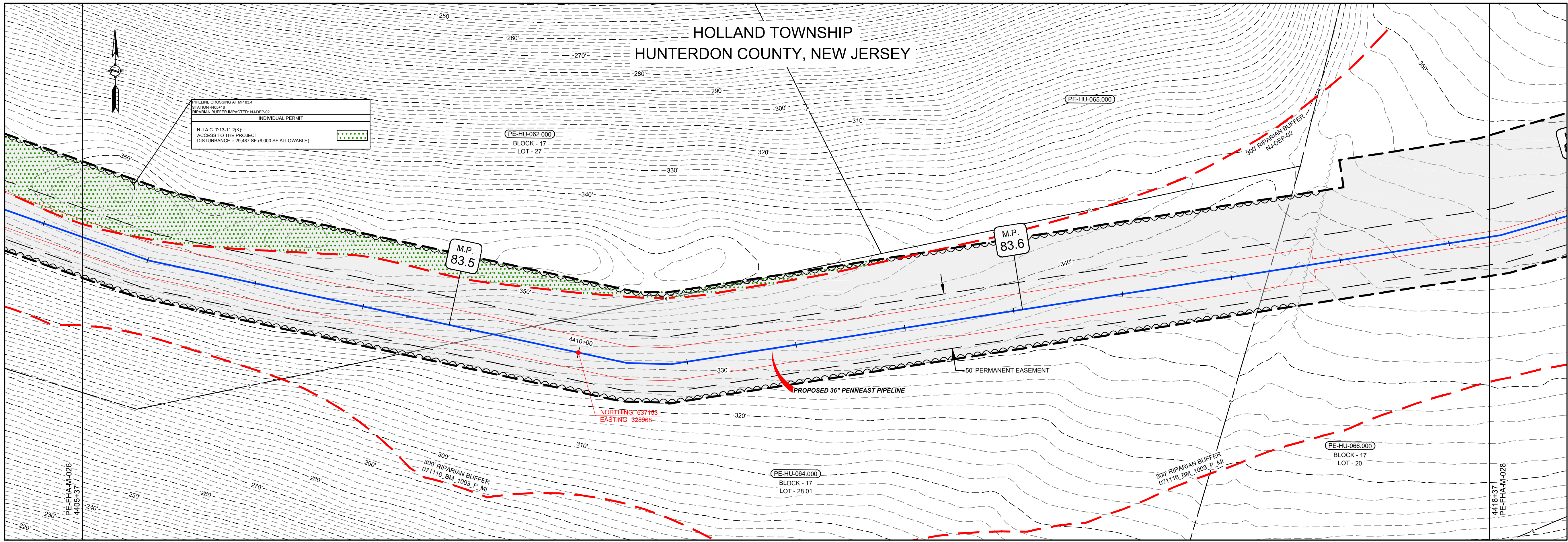
PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT

**PENNEAST PIPELINE
FLOOD HAZARD AREA PERMIT PLAN
MP 83.2 - MP 83.4**

SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-026	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CPP CORROGATED PLASTIC PIPE
 - CMP CORROGATED METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - OH EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

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MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
SIGNATURE DATE

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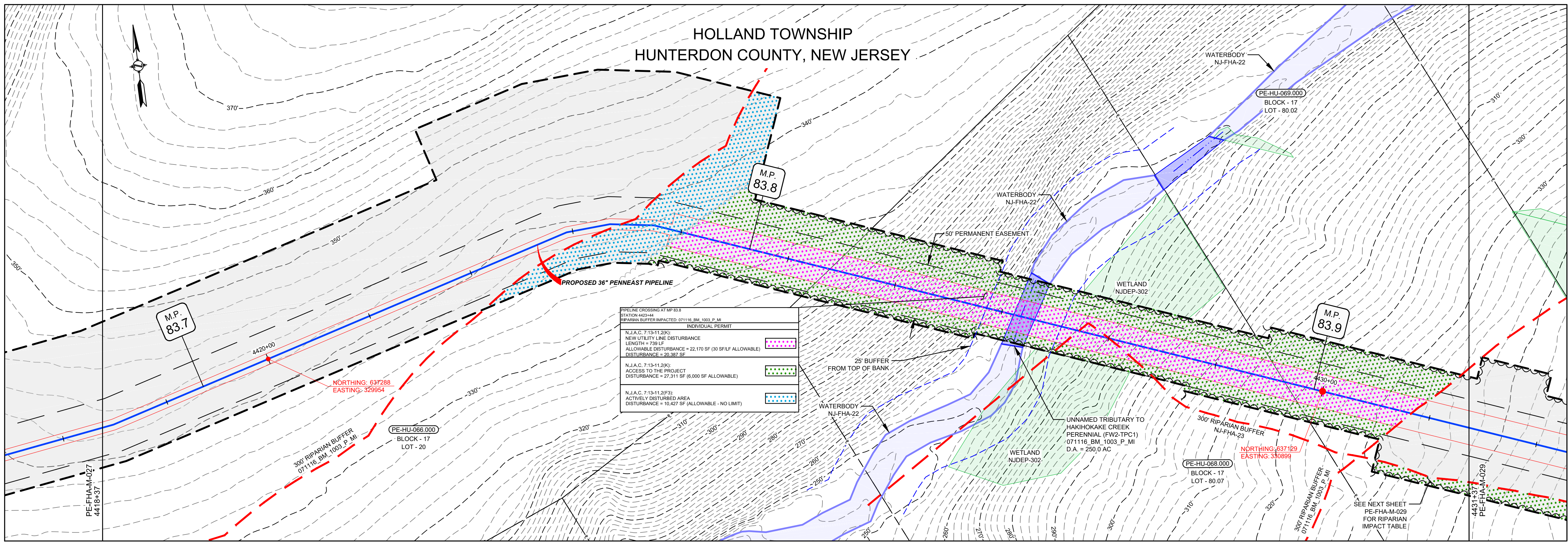
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DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
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APPROVALS				CLIENT APPROVAL	
DRAWN BY	DATE				
RJP	7/2019				
CHECKED BY	DATE				
KEK	7/2019				
ENG. APPROVAL	DATE				
MJD	7/2019				
P.M. APPROVAL	DATE				
MW	7/2019				

APPROVALS		CLIENT APPROVAL
DRAWN BY	DATE	
RJP	7/2019	
CHECKED BY	DATE	
KEK	7/2019	
ENG. APPROVAL	DATE	
MJD	7/2019	
P.M. APPROVAL	DATE	
MW	7/2019	7/2019

111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 83.4 - MP 83.7		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-027	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
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 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
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 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
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 - CMP CORrugated METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' - - - - - EXISTING MAJOR CONTOURS
 - - - - - EXISTING MINOR CONTOURS
 - - - - - EXISTING PIPELINE
 - - - - - EXISTING OVERHEAD LINE
 - - - - - EXISTING TREE
 - - - - - EXISTING FENCE
 - - - - - STATE OPEN WATER FLAG
 - - - - - PHOTO LOCATION (SEE REPORT)

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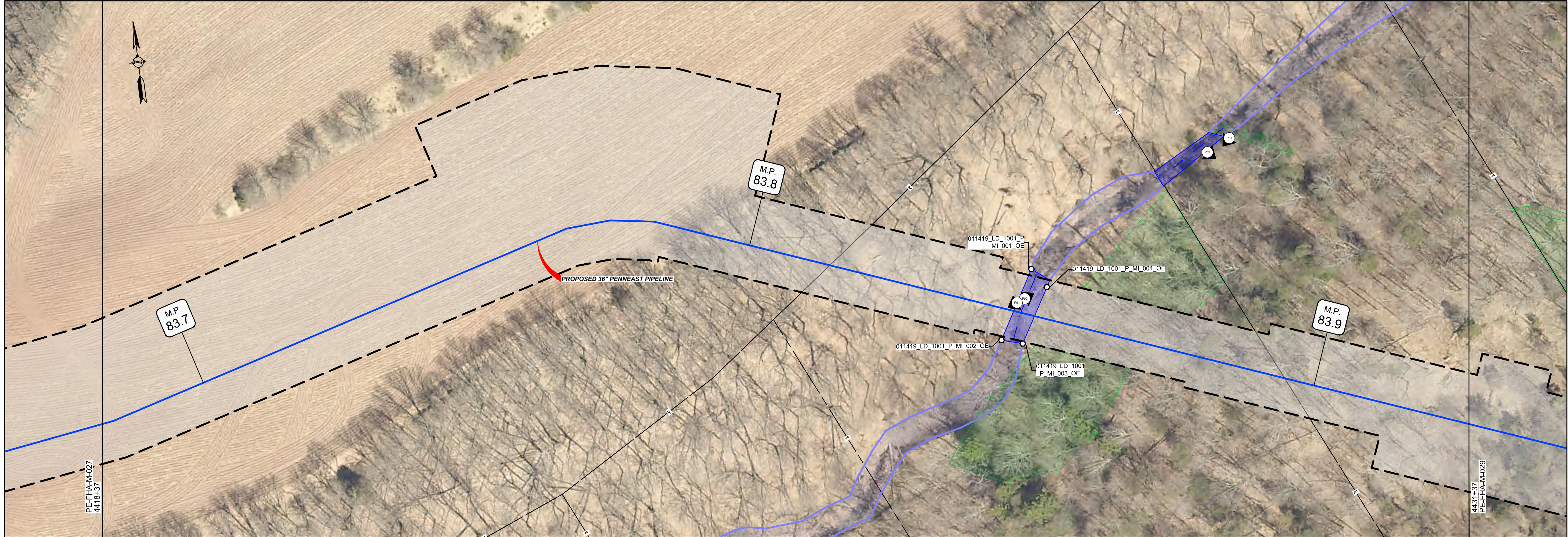
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PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

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REFERENCE DRAWINGS		NO.	
DWG. NO.	TITLE	NO.	REVISIONS
PE-SSC-M-83.85	SUPPLEMENTAL STREAM CROSSING DETAIL	0	ISSUED FOR NJDEP PERMIT

REVISIONS		DATE		DRAWN		CK		APPR	
NO.	REVISIONS	DATE	DRAWN	CK	APPR	DATE	DRAWN	CK	APPR
0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	7/2019			

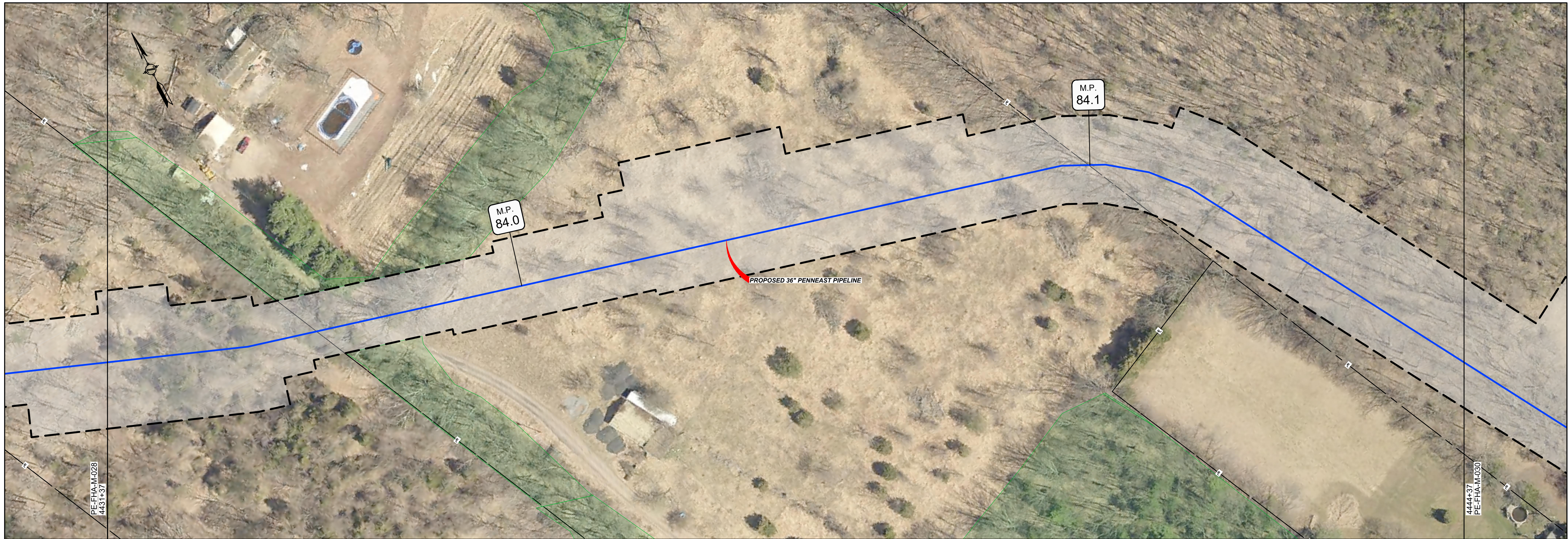
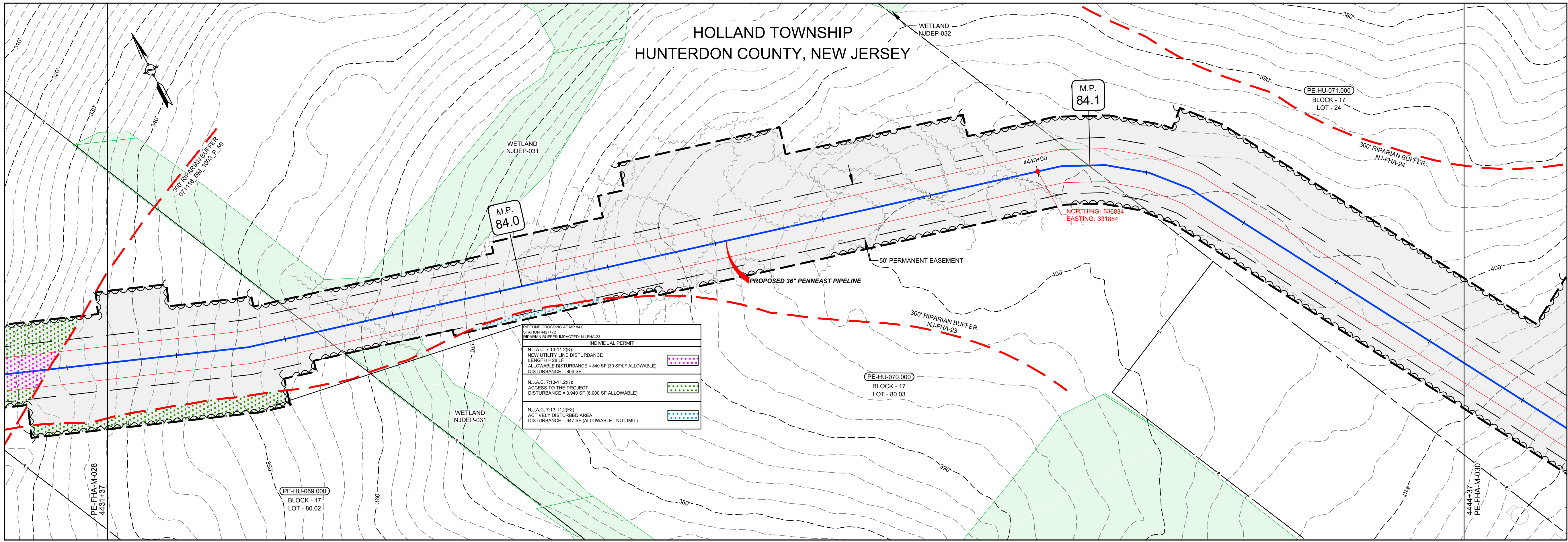
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DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

CLIENT APPROVAL		DATE	
DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 83.7 - MP 83.9		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-028	0



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		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

REVISIONS					
NO.	REVISIONS	DATE	DRAWN	CK	APPR
0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD

APPROVALS		CLIENT APPROVAL	
DRAWN BY	DATE	DATE	
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

PREPARED FOR	PennEast PIPELINE
PREPARED BY	M MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830	CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 83.9 - MP 84.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-029	0

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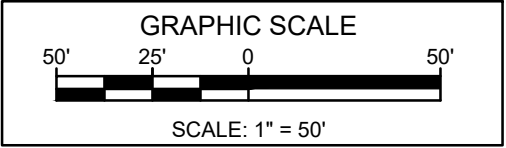
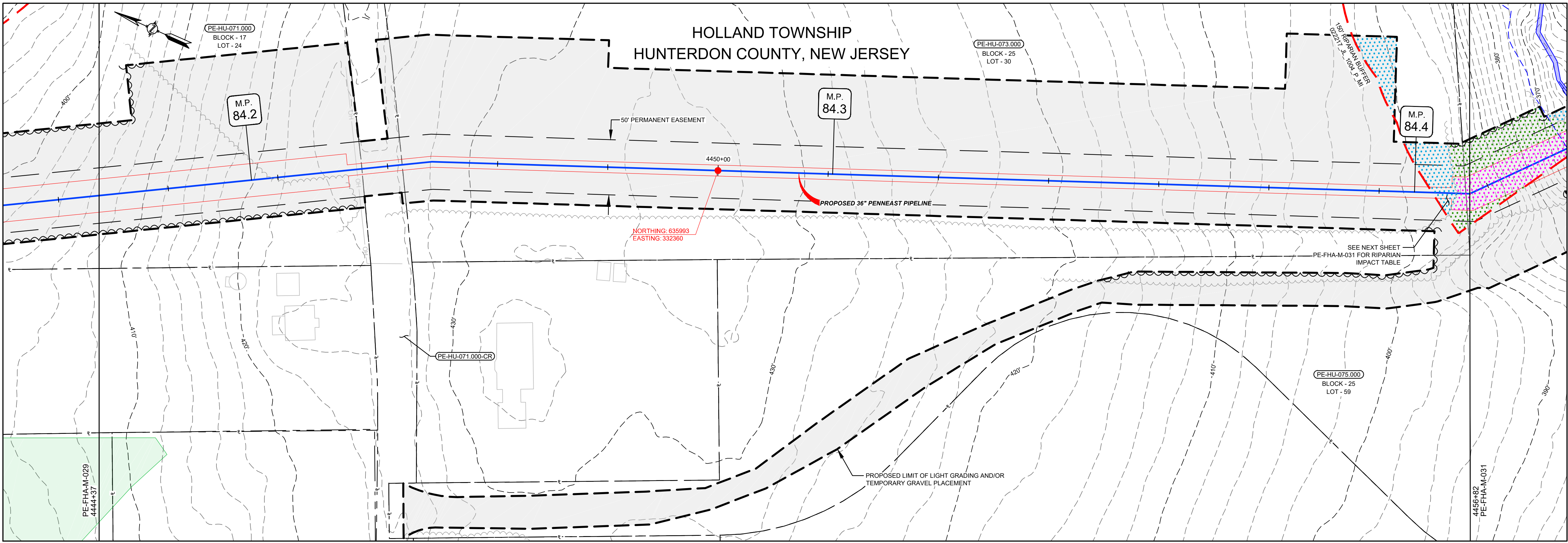
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N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
SIGNATURE DATE



- LEGEND**
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 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
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 - WETLAND (PUBLIC)
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 - RIPARIAN BUFFER
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 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - OH EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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REFERENCE DRAWINGS		REVISIONS						
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
000-03-03-063	* ACCESS ROAD DETAIL	0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

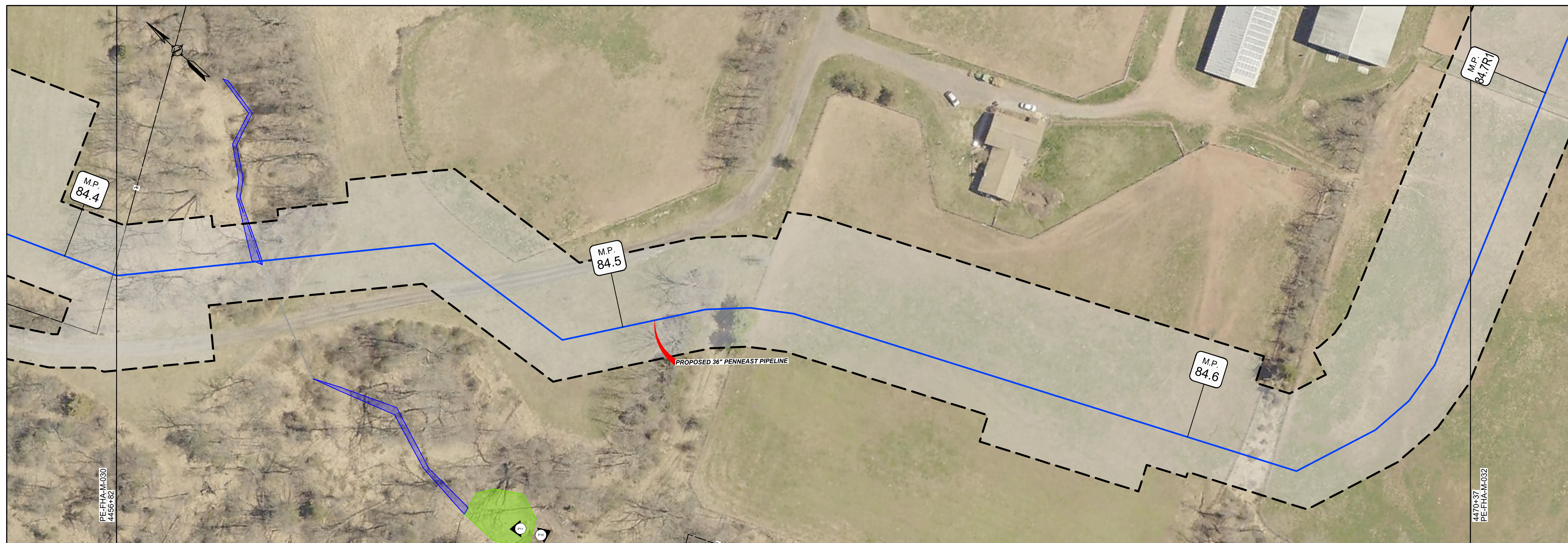
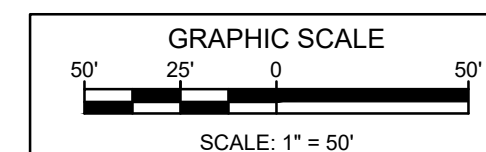
APPROVALS						
DRAWN BY	DATE					
RJP	7/2019					
CHECKED BY	DATE					
KEK	7/2019					
ENG. APPROVAL	DATE					
MJD	7/2019					
P.M. APPROVAL	DATE					
MW	7/2019					

APPROVALS			
DRAWN BY	DATE		
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
M M
MOTT
MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 84.2 - MP 84.4		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-30	0




- [illegible]

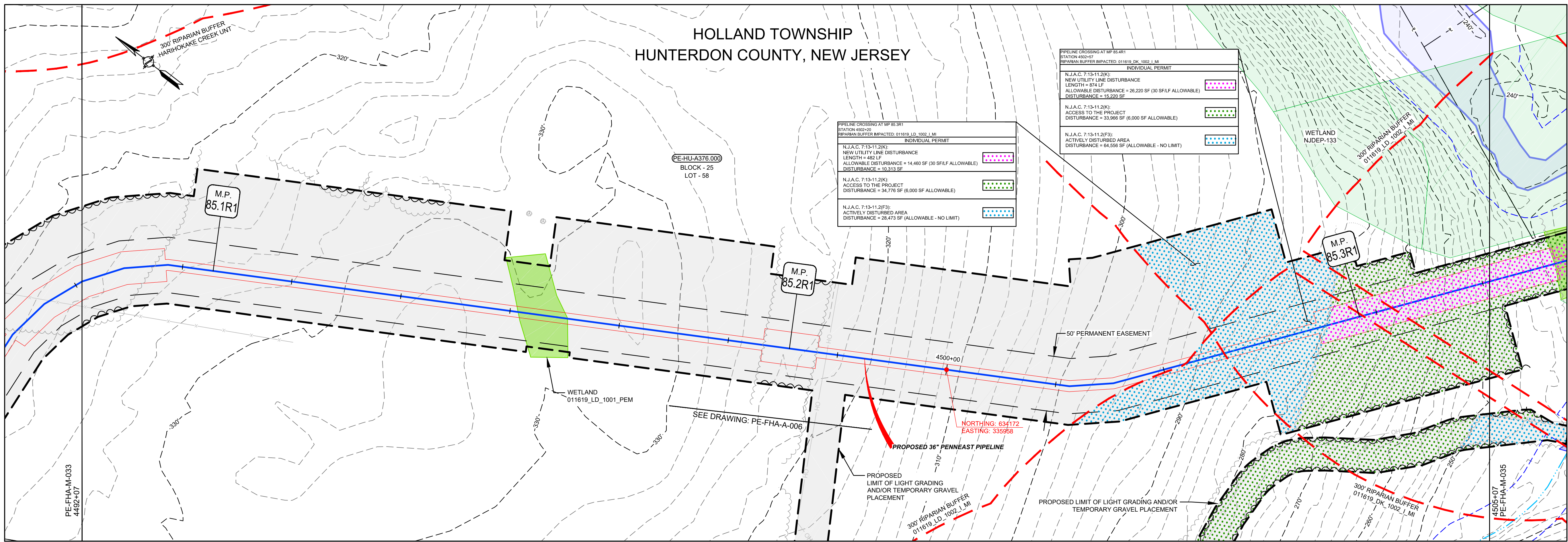
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APPROVALS	
DRAWN BY	DATE
RJP	7/2019
CHECKED BY	DATE
KEK	7/2019
ENG. APPROVAL	DATE
MJD	7/2019
P.M. APPROVAL	DATE
MW	7/2019

[illegible]

	<p>PREPARED FOR</p> 
	<p>PREPARED BY M M MOTT MACDONALD 111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830 CERTIFICATE NO. 24GA26016600</p>

PENNEAST PIPELINE PROJECT		
<p align="center">PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 84.4 - MP 84.7R1</p>		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-031	0



LEGEND	
	PROPOSED PIPELINE
	LIMITS OF DISTURBANCE
	PROPOSED PERMANENT EASEMENT
	OPERATIONAL CORRIDOR
	PROPOSED TREE LINE
	EXISTING TREE LINE
	WETLAND (SURVEYED)
	WETLAND (PUBLIC)
	WATERBODY (SURVEYED)
	WATERBODY (PUBLIC)
	ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
	TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
	NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
	RIPARIAN BUFFER
	25' BUFFER FROM STREAM TOP OF BANK
	STREAM CENTERLINE (SURVEYED)
	STREAM CENTERLINE (PUBLIC)
	LIMITS OF WETLAND DELINEATION
	PROPERTY LINE
	PARCEL ID WITH BLOCK AND LOT NUMBER
	EXISTING CULVERT
	CORRUGATED PLASTIC PIPE
	CORRUGATED METAL PIPE
	HIGH DENSITY POLYETHYLENE PIPE
	POLYVINYL CHLORIDE PIPE
	REINFORCED CONCRETE PIPE
	UNKNOWN
	EXISTING FOREIGN UTILITY EASEMENT
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	EXISTING PIPELINE
	EXISTING OVERHEAD LINE
	EXISTING TREE
	EXISTING FENCE
	STATE OPEN WATER FLAG
	PHOTO LOCATION (SEE REPORT)

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

08/01/2019
SIGNATURE DATE

I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DISTURBANCES SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.

MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

08/01/2019
SIGNATURE DATE

- NOTES:
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 - WETLAND AND WATERBODY DELINEATION SURVEYS COMPLETED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
 - PHOTO LOCATIONS SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.
 - RIPARIAN ZONES AND WETLAND TRANSITION AREAS PROVIDED BY PAULUS, SOKOLOWSKI AND SARTOR (PS&S).
 - CIVIL SURVEY CONDUCTED AND DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS		NO.	
DWG. NO.	TITLE		
000-03-03-063.1	* ACCESS ROAD DETAIL	0	ISSUED FOR NUDEP PERMIT

REVISIONS				
NO.	REVISIONS	DATE	DRAWN	CK
0	ISSUED FOR NUDEP PERMIT	7/2019	RJP	KEK

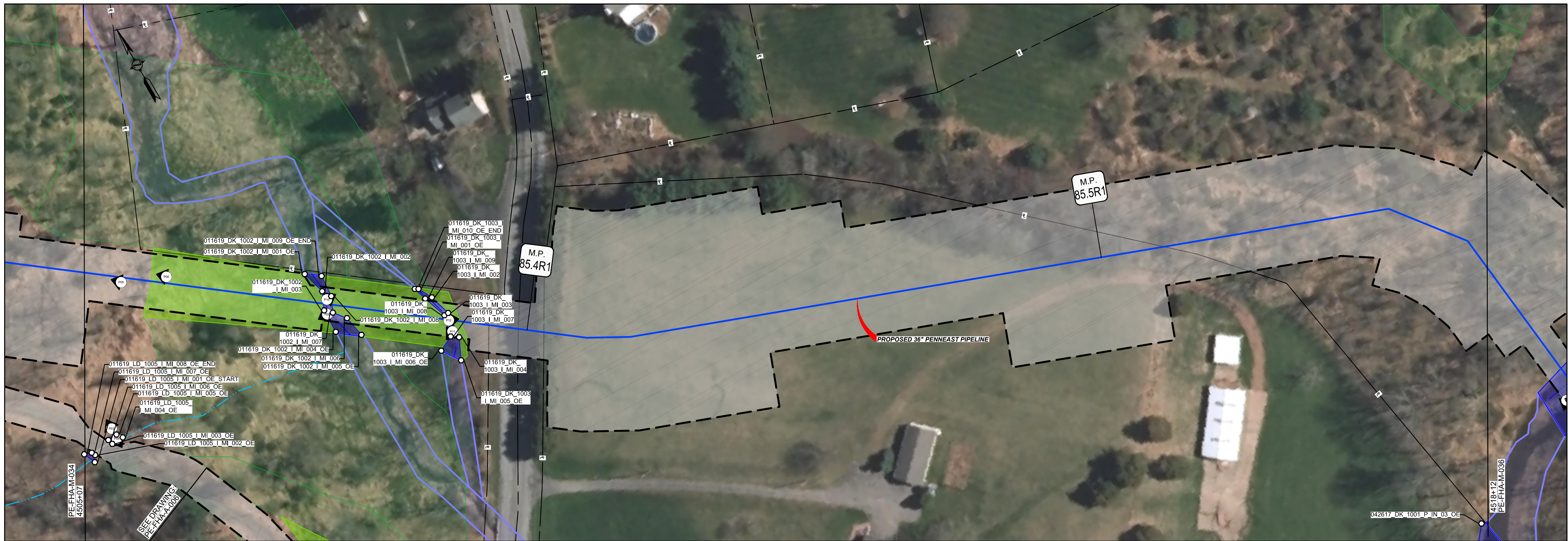
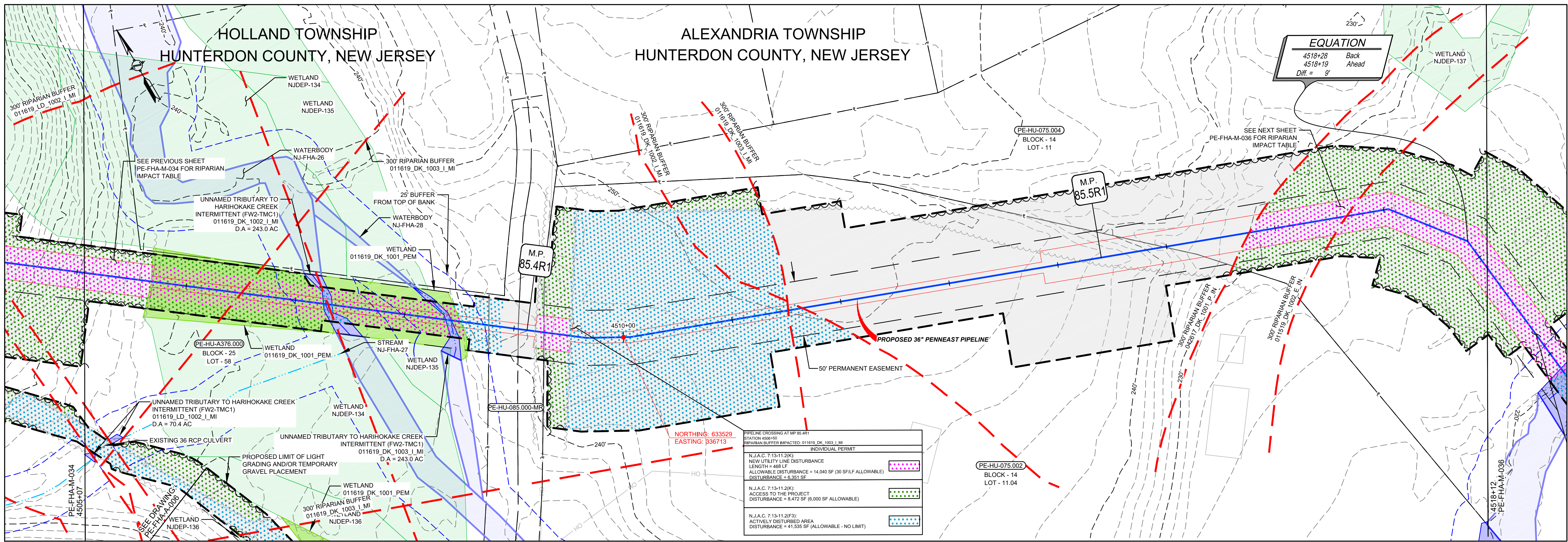
APPROVALS	
DRAWN BY	DATE
RJP	7/2019
CHECKED BY	DATE
KEK	7/2019
ENG. APPROVAL	DATE
MJD	7/2019
P.M. APPROVAL	DATE
MW	7/2019

CLIENT APPROVAL	
DATE	
7/2019	

PREPARED FOR

PREPARED BY
M M
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 85.1R1 - MP 85.3R1		
SCALE 1" = 50'	DRAWING NO. PE-FHA-M-034	REVISION 0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CORRUGATED PLASTIC PIPE
 - CORRUGATED METAL PIPE
 - HIGH DENSITY POLYETHYLENE PIPE
 - POLYVINYL CHLORIDE PIPE
 - REINFORCED CONCRETE PIPE
 - UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

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MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
SIGNATURE DATE

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 - PHOTO LOCATIONS PROVIDED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
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 - CIVIL SURVEY CONDUCTED AND DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS		NO.	
DWG. NO.	TITLE		
000-03-03-063.1	* ACCESS ROAD DETAIL	0	ISSUED FOR NJDEP PERMIT
PE-SSC-M-85.36R1	SUPPLEMENTAL STREAM CROSSING DETAIL		
PE-SSC-M-85.36R1	SUPPLEMENTAL STREAM CROSSING DETAIL		

REVISIONS				
NO.	REVISIONS	DATE	DRAWN	CK
0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK

APPROVALS				
DRAWN BY	DATE			
RJP	7/2019			
CHECKED BY	DATE			
KEK	7/2019			
ENG. APPROVAL	DATE			
MJD	7/2019			
P.M. APPROVAL	DATE			
MW	7/2019			

APPROVALS			
DRAWN BY	DATE		
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

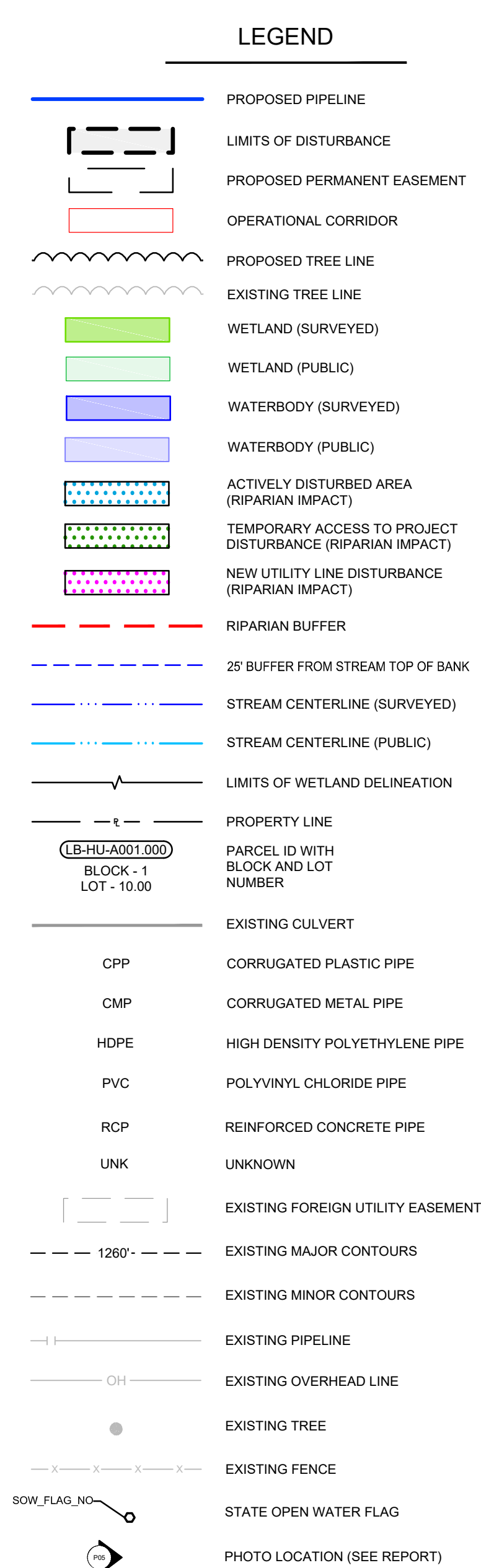
PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ 08850
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT

PENNEAST PIPELINE
FLOOD HAZARD AREA PERMIT PLAN
MP 85.3R1 - MP 85.6R1

SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-035	0




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UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I
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SUPERVISION.

THOMAS D. STRONG

PROFESSIONAL LAND SURVEYOR

N.J. LIC. NO. 24GS03676100

 08/01/2019

SIGNATURE DATE

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MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER

N.J. LIC. NO. 246GE05078700

 08/01/2019

SIGNATURE DATE



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4. PHOTO LOCATIONS PROVIDED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
5. RIPEAN CONCEPTS AND DRAWINGS TRANSMITTED BY J. J. SOKOLOWSKI AND SARTOR (P&S).
6. CIVIL SURVEYING PROVIDED BY DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS	
DWG. NO.	TITLE
000-03-03-063.2	* ACCESS ROAD DETAIL
PE-SSC-M-85.59R1	SUPPLEMENTAL STREAM CROSSING DETAIL
PE-SSC-M-85.77R1	SUPPLEMENTAL STREAM CROSSING DETAIL
PE-SSC-M-85.78R1	SUPPLEMENTAL STREAM CROSSING DETAIL

[illegible]

APPROVALS	
DRAWN BY	DATE
RJP	7/2019
CHECKED BY	DATE
KEK	7/2019
ENG. APPROVAL	DATE
MJD	7/2019
P.M. APPROVAL	DATE
MW	7/2019

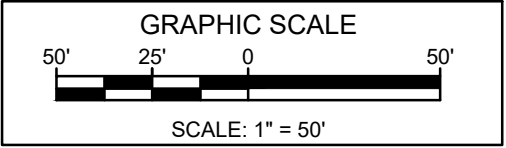
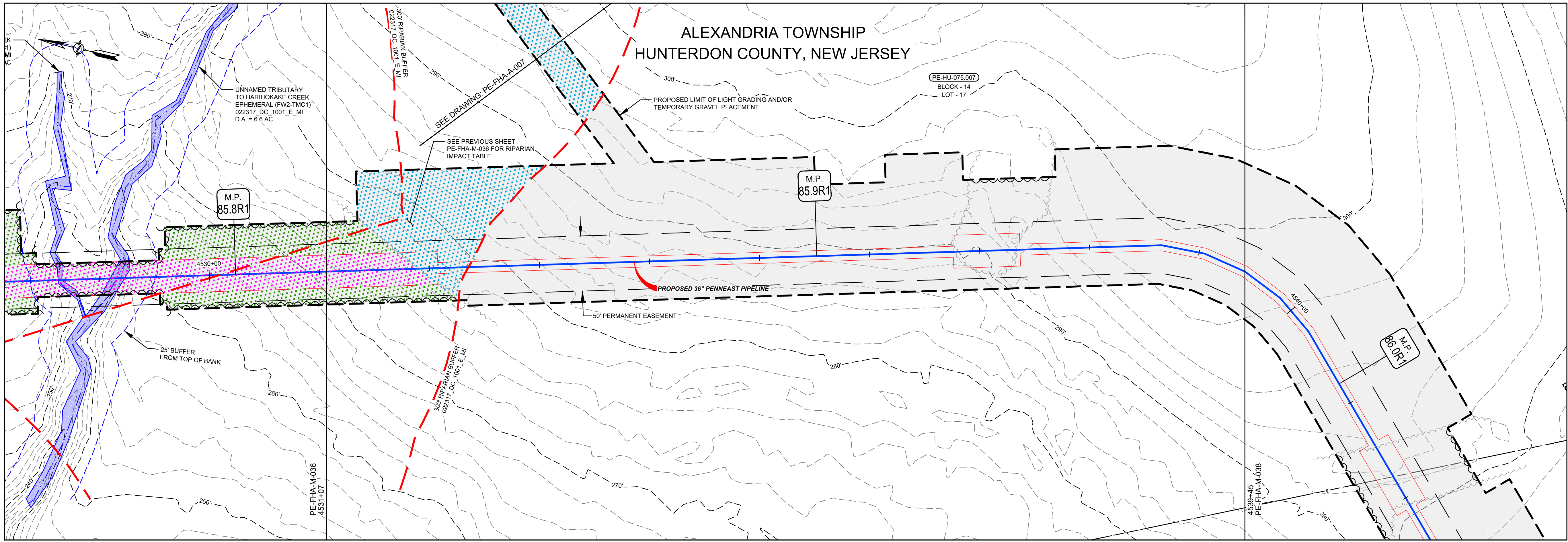
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21	22	23	24	25	26	27

PENNEAST PIPELINE PROJECT

PENNEAST PIPELINE
FLOOD HAZARD AREA PERMIT PLAN
MP 85.6R1 - MP 85.8R1

SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-036	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
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 - CMP CORRUGATED METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - OH EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24GS03676100

Thomas D. Strong 08/01/2019
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MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

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REFERENCE DRAWINGS		REVISIONS						
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
000-03-03-063.2	* ACCESS ROAD DETAIL	0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

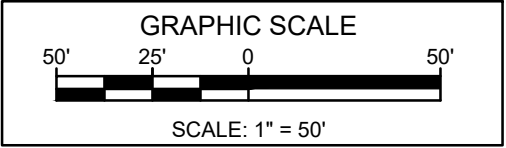
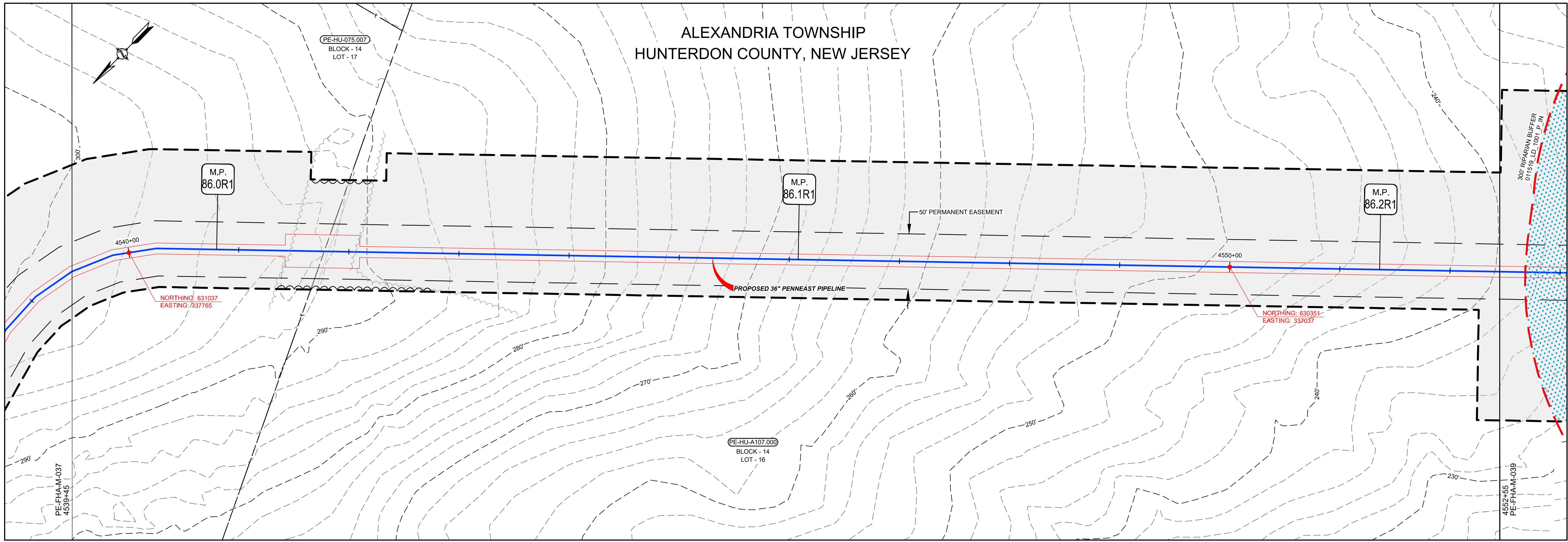
APPROVALS				CLIENT APPROVAL			
DRAWN BY	DATE						
RJP	7/2019						
CHECKED BY	DATE						
KEK	7/2019						
ENG. APPROVAL	DATE						
MJD	7/2019						
P.M. APPROVAL	DATE						
MW	7/2019						

APPROVALS		CLIENT APPROVAL	
DRAWN BY	DATE		
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
M M
MOTT
MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 85.8R1 - MP 86.0R1		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-037	0



- LEGEND**
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
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 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
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 - PROPERTY LINE
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 - CMP CORRUGATED METAL PIPE
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 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - OH EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - SOW_FLAG_NO STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

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PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24G503676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

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PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

Michael J. Denichilo 08/01/2019
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REFERENCE DRAWINGS		REVISIONS						
DWG. NO.	TITLE	NO.	REVISIONS	DATE	DRAWN	CK	APPR	
		0	ISSUED FOR NJDEP PERMIT	7/2019	RJP	KEK	MJD	

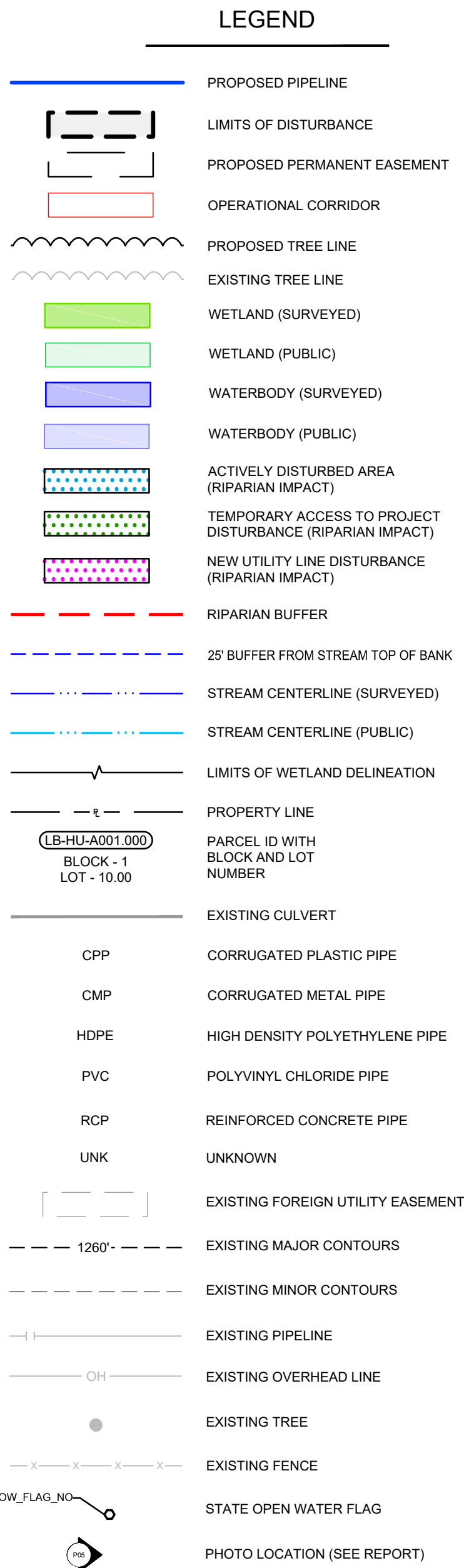
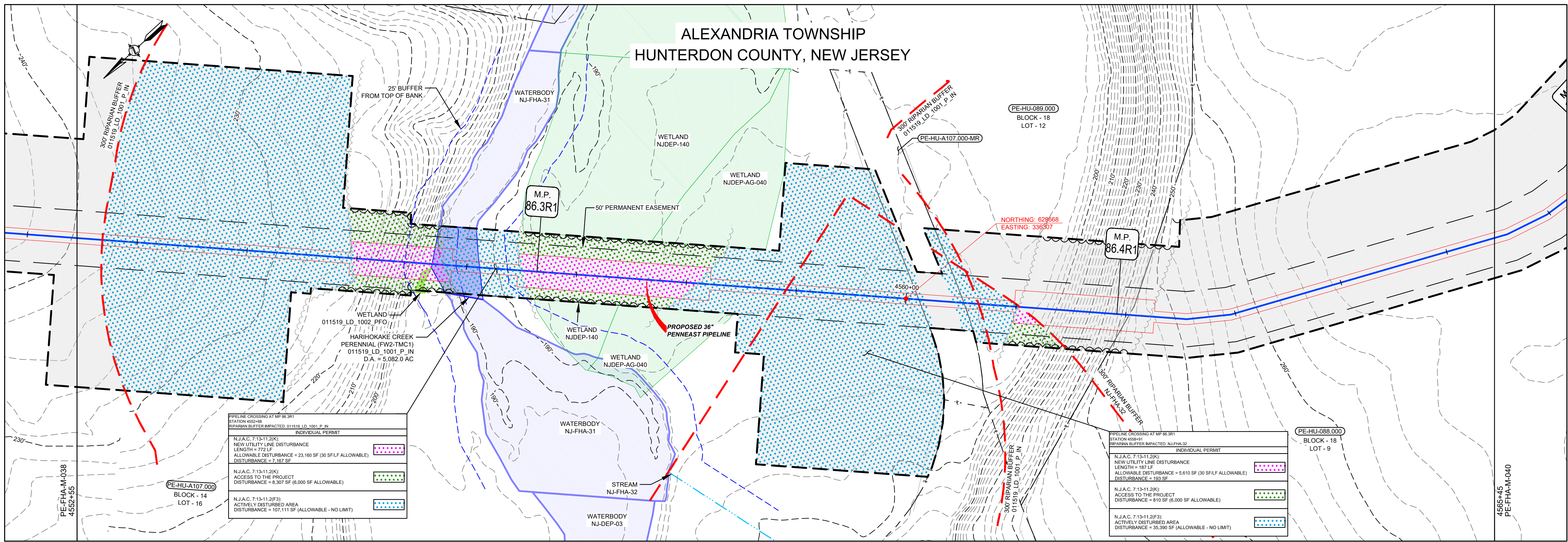
APPROVALS						
DRAWN BY	DATE					
RJP	7/2019					
CHECKED BY	DATE					
KEK	7/2019					
ENG. APPROVAL	DATE					
MJD	7/2019					
P.M. APPROVAL	DATE					
MW	7/2019					

APPROVALS		CLIENT APPROVAL	
DRAWN BY	DATE		
RJP	7/2019		
CHECKED BY	DATE		
KEK	7/2019		
ENG. APPROVAL	DATE		
MJD	7/2019		
P.M. APPROVAL	DATE		
MW	7/2019		

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
M M
MOTT
MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 86.0R1 - MP 86.2R1		
SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-038	0



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N.J. LIC. NO. 24G503676100

Thomas D. Strong 08/01/2019
SIGNATURE DATE

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REFERENCE DRAWINGS		NO.	
DWG. NO.	TITLE	NO.	REVISIONS
PE-SSC-M-86-2R1	SUPPLEMENTAL STREAM CROSSING DETAIL	0	ISSUED FOR NJDEP PERMIT

APPROVALS		DATE	
DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

APPROVALS		DATE	
DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

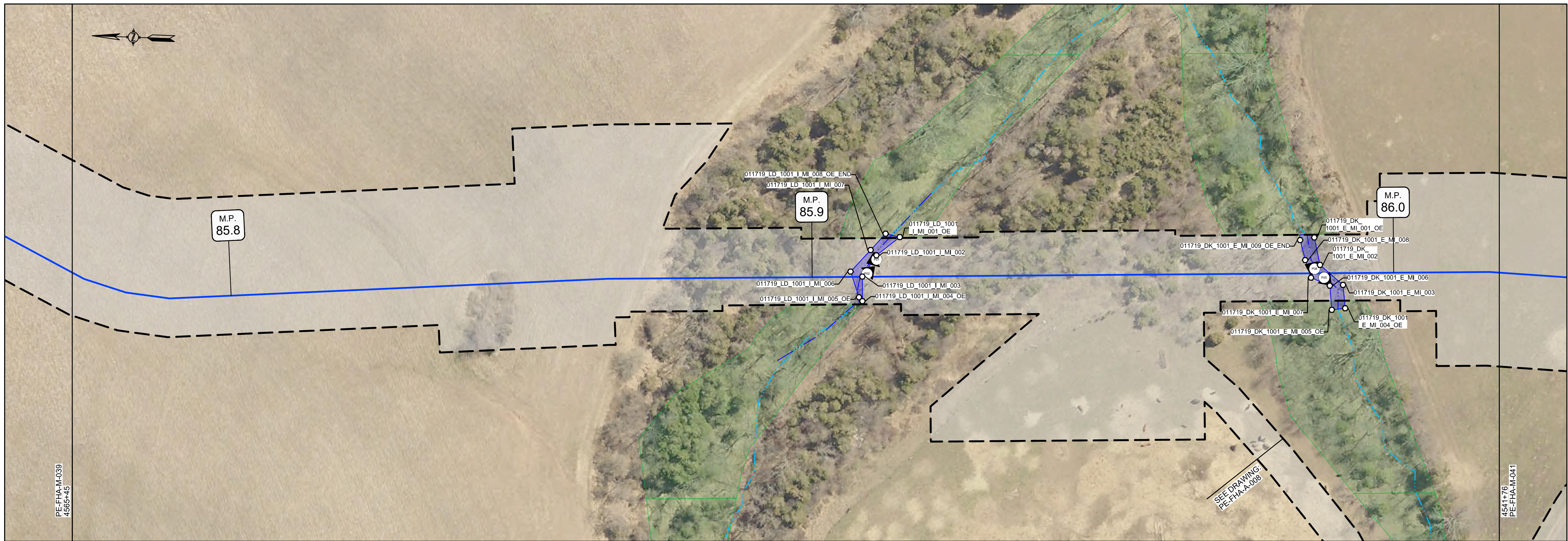
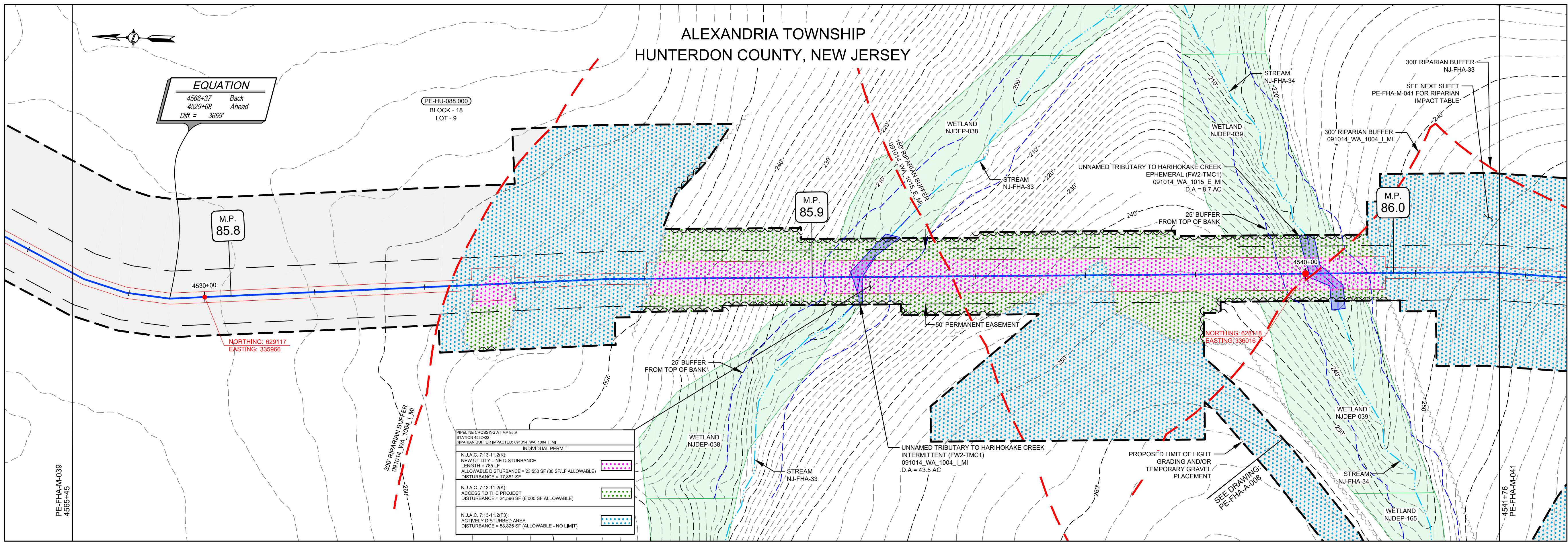
PREPARED FOR		DATE	
DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

PREPARED FOR		DATE	
DRAWN BY	DATE	DRAWN BY	DATE
RJP	7/2019	RJP	7/2019
CHECKED BY	DATE	CHECKED BY	DATE
KEK	7/2019	KEK	7/2019
ENG. APPROVAL	DATE	ENG. APPROVAL	DATE
MJD	7/2019	MJD	7/2019
P.M. APPROVAL	DATE	P.M. APPROVAL	DATE
MW	7/2019	MW	7/2019

PENNEAST PIPELINE PROJECT

PENNEAST PIPELINE
FLOOD HAZARD AREA PERMIT PLAN
MP 86.2R1 - MP 85.8

SCALE	DRAWING NO.	REVISION
1" = 50'	PE-FHA-M-039	0



- LEGEND
- PROPOSED PIPELINE
 - LIMITS OF DISTURBANCE
 - PROPOSED PERMANENT EASEMENT
 - OPERATIONAL CORRIDOR
 - PROPOSED TREE LINE
 - EXISTING TREE LINE
 - WETLAND (SURVEYED)
 - WETLAND (PUBLIC)
 - WATERBODY (SURVEYED)
 - WATERBODY (PUBLIC)
 - ACTIVELY DISTURBED AREA (RIPARIAN IMPACT)
 - TEMPORARY ACCESS TO PROJECT DISTURBANCE (RIPARIAN IMPACT)
 - NEW UTILITY LINE DISTURBANCE (RIPARIAN IMPACT)
 - RIPARIAN BUFFER
 - 25' BUFFER FROM STREAM TOP OF BANK
 - STREAM CENTERLINE (SURVEYED)
 - STREAM CENTERLINE (PUBLIC)
 - LIMITS OF WETLAND DELINEATION
 - PROPERTY LINE
 - PARCEL ID WITH BLOCK AND LOT NUMBER
 - EXISTING CULVERT
 - CPP CORRUGATED PLASTIC PIPE
 - CMP CORRUGATED METAL PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - RCP REINFORCED CONCRETE PIPE
 - UNK UNKNOWN
 - EXISTING FOREIGN UTILITY EASEMENT
 - 1260' EXISTING MAJOR CONTOURS
 - EXISTING MINOR CONTOURS
 - EXISTING PIPELINE
 - EXISTING OVERHEAD LINE
 - EXISTING TREE
 - EXISTING FENCE
 - STATE OPEN WATER FLAG
 - PHOTO LOCATION (SEE REPORT)

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS D. STRONG
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 24G503676100

08/01/2019

SIGNATURE DATE

I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DISTURBANCES SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.

MICHAEL J. DENICHILO
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05078700

08/01/2019

SIGNATURE DATE

- NOTES:
- UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.
 - THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.
 - WETLAND AND WATERBODY DELINEATION SURVEYS COMPLETED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
 - PHOTO LOCATIONS PROVIDED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS.
 - RIPARIAN ZONES AND WETLAND TRANSITION AREAS PROVIDED BY PAULUS, SOKOLOWSKI AND SARTOR (PS&S).
 - CIVIL SURVEY CONDUCTED AND DRAWINGS PREPARED BY MOTT MACDONALD.

REFERENCE DRAWINGS		NO.		REVISIONS		DATE		DRAWN		CK		APPR	
DWG. NO.	TITLE												
000-03-03-065	* ACCESS ROAD DETAIL												
PE-SSC-M-85.91	SUPPLEMENTAL STREAM CROSSING DETAIL												
PE-SSC-M-85.99	SUPPLEMENTAL STREAM CROSSING DETAIL												

REVISIONS		NO.		REVISIONS		DATE		DRAWN		CK		APPR	
0	ISSUED FOR NJDEP PERMIT					7/2019		RJP		KEK		MJD	

APPROVALS		DATE	
DRAWN BY	RJP		7/2019
CHECKED BY	KEK		7/2019
ENG. APPROVAL	MJD		7/2019
P.M. APPROVAL	MW		7/2019

CLIENT APPROVAL		DATE	

PREPARED FOR
PennEast
PIPELINE

PREPARED BY
MOTT MACDONALD
111 WOOD AVENUE SOUTH, ISELIN, NJ, 08830
CERTIFICATE NO. 24GA28016600

PENNEAST PIPELINE PROJECT		
PENNEAST PIPELINE FLOOD HAZARD AREA PERMIT PLAN MP 85.8 - MP 86.0		
SCALE 1" = 50'	DRAWING NO. PE-FHA-M-040	REVISION 0